



TOTEMTEK
— Design n manufacture telematics —

AT08

Magnetic long standing tracking device



AT08 series product is a STM32 MCU platform with a ultra low consumption MCU product. it offers 3G and 4G networking.

Firmware Feature

-  firmware OTA
-  smart power managment
-  low consumption
-  water proof
-  magnetic

30 days in 60 mins interval

3-4 hrs full charge by 5V

 3G,4G

 GPS/Glonass/BeiDou

 5V

 4000 mAh(Li-polymer)

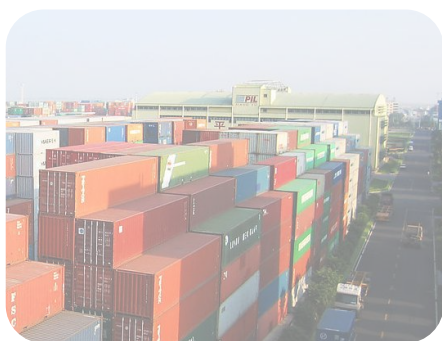
 Standard size SIM

 Micro USB interface

 2M Storage, 8000 or 16000pcs data.

 3 axis sensor detect movement or stop

AT08 is designed for short priode tracking purpose. it can be implemented on fleet, container and other metal surface by magnetic bar under the device.



Containter



express Logistics



Transport fleet

Environment specification

Temperature	Operating: -20 °C to 60 °C	
	Battery charge: 0 °C to 45 °C	Battery discharge: -20 °C to 60 °C
	Storage: -20 °C to 60 °C	
Humidity	5% to 95% Non-condensing	

Electrical Specification

Power supply range	DC 5V
Maximum current drain	idel: 70mA
	sleep: 39mA
	deep sleep: 1mA
	sending data: 120mA @ peak Amps

Connectivity

3G/WCDMA	Quectel UC15
	900/2100Mhz or 850/1900Mhz or 850/2100Mhz @ UMTS
LTE / 4G	Quectel EG91 for AT08 4G (LTE CAT 1)
	B1/B3/B7/B8/B20/B28 @ LTE FDD, B1/B8 @ WCDMA,
	B2/B4/B5/B12/B13 @ LTE FDD, B2/B4/B5 @ WCDMA,
	B2/B4/B5/B12/B13/B25/B26 @ LTE FDD, B2/B4/B5 @ WCDMA,
GNSS module (GPS/Glonass/BeiDou)	uBlox M8 engine
	Frequency: 1575.42Mhz (GPS), 1601.71Mhz (Glonass)
	Acquisition sensitivity: -148dBm
	Tracking sensitivity: -162dBm
	Reacquisition sensitivity: -160dBm
	CEP: 2.5m
	(AT07,AT09 2G version built with GPS only)

AT08 IO Interface

USB charge Port	1 (5V)
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Package information

GPS tracker AT08	USB charge cable	
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Optional Accessories

USB wall charger

Order Information

AT08 3G
AT08 4G/LTE
AT08 LTE CAT M1 / NB IOT

